



PTO/SB/01 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

☐ Declaration
Submitted With Initial
Filing

OR

☒ Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket Number 4320-521

First Named Inventor HUSAIN

COMPLETE IF KNOWN

Application Number 10/681,203

Filing Date October 9, 2003

Art Unit 1724

Examiner Name Not yet assigned

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**MULTI-STAGE FILTRATION AND SOFTENING MODULE AND REDUCED SCALING
OPERATION**

the specification of which (Title of the Invention)

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 10/09/2003 as United States Application Number or PCT International

Application Number 10/681,203 and was amended on (MM/DD/YYYY) (If applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
2,313,740	Canada	07/07/2000	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

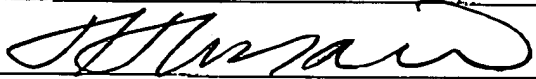
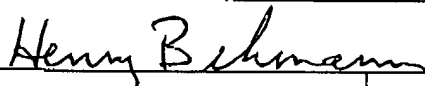
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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input checked="" type="checkbox"/> Customer Number				1059		OR <input type="checkbox"/> Correspondence address below	
Name							
Address							
City			State			ZIP	
Country			Telephone			Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
NAME OF SOLE OR FIRST INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name Hidayat (first and middle [if any])				Family Name Husain or Surname			
Inventor's Signature 				Date Feb 9/04			
Residence: City Brampton		State ON		Country Canada		Citizenship Canadian	
Mailing Address 88 Porteous Circle							
City Brampton		State ON		Zip L6S 5C5		Country Canada	
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name Henry (first and middle [if any])				Family Name Behmann or Surname			
Inventor's Signature 				Date Feb 9, 2004			
Residence: City Puslinch		State ON		Country Canada		Citizenship Canadian	
Mailing Address R.R. #1							
City Puslinch		State ON		Zip N0B 2J0		Country Canada	
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.							



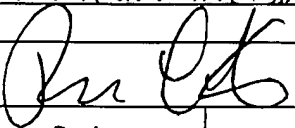
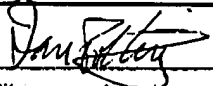
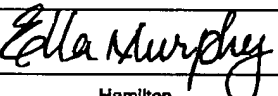
PTO/SB/02A (08-03)

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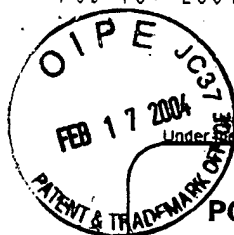
DECLARATION**ADDITIONAL INVENTOR(S)
Supplemental Sheet**

Page 1 of 1

Name of Additional Inventor, if any		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Pierre Lucien		Cote	
Inventor's Signature 		Date Feb 9, 2004	
Residence: City	Dundas	State	ON
Country	Canada	Citizenship	Canadian
Mailing Address 26 Tally-Ho Drive			
Mailing Address			
City	Dundas	State	ON
Zip	L9H 3M6	Country	Canada
Name of Additional Inventor, if any		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Ian Alexander		Pottinger	
Inventor's Signature 		Date Feb 9, 2004	
Residence: City	Ancaster	State	ON
Country	Canada	Citizenship	Canadian
Mailing Address 210 Lloyminn Avenue			
Mailing Address			
City	Ancaster	State	ON
Zip	L9G 1H9	Country	Canada
Name of Additional Inventor, if any		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Ella		Murphy	
Inventor's Signature 		Date February 9, 2004	
Residence: City	Hamilton	State	ON
Country	Canada	Citizenship	Canadian
Mailing Address 507 - 230 Montmorency Drive			
Mailing Address			
City	Hamilton	State	ON
Zip	L8K 5H2	Country	Canada

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/81 (06-03)

Approved for use through 11/30/2005. OMB 0851-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM

Application Number	10/681,203
Filing Date	October 9, 2003
First Named Inventor	HUSAIN
Art Unit	1724
Examiner Name	Not yet assigned
Attorney Docket Number	4320-521

I hereby appoint:

☒ Practitioners at Customer Number

1059

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number:

☐ The address associated with Customer Number:

☐ Firm or
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

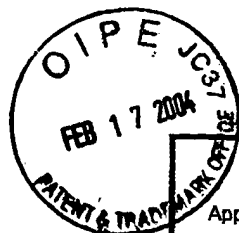
Name	Pierre Lucien Cote, Chief Technology Officer, ZENON Environmental Inc.
Signature	
Date	Feb 9, 2004
Telephone	905-465-3030

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/98 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: HUSAIN et al.Application No./Patent No.: 10/681,203Filed/Issue Date: October 9, 2003Entitled: MULTI-STAGE FILTRATION AND SOFTENING MODULE AND REDUCED SCALING OPERATIONZENON Environmental Inc., a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest

The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____

To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____

To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____

To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Feb 9, 2004

Date

905-465-3030

Telephone Number

Pierre Lucien Cote

Typed or printed name

Signature

Chief Technology Officer,
ZENON Environmental Inc.

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**UNITED STATES
ASSIGNMENT**

WHEREAS WE, **HIDAYAT HUSAIN, HENRY BEHMANN, PIERRE LUCIEN COTE, IAN ALEXANDER POTTINGER** and **ELLA MURPHY**, whose full post office addresses are **88 Porteous Circle, Brampton, Ontario L6S 5C5, Canada; R.R. #1, Puslinch, Ontario N0B 2J0, Canada; 26 Tally-Ho Drive, Dundas, Ontario L9H 3M6, Canada; 210 Lloyminn Avenue, Ancaster, Ontario L9G 1H9, Canada; and, 507-230 Montmorency Drive, Hamilton, Ontario L8K 5H2, Canada**, have invented certain new and useful improvements in an invention entitled **MULTI-STAGE FILTRATION AND SOFTENING MODULE AND REDUCED SCALING OPERATION** for which an application for United States Letters Patent was filed on **October 9, 2003** as serial No. **10/681,203**.

AND WHEREAS, **ZENON Environmental Inc.**, a corporation of **Ontario**, of **3239 Dundas Street West, Oakville, Ontario L6M 4B2, Canada**, has acquired from us the whole right, title and interest for the United States of America and all other countries in and to the said invention and in and to any Letters Patent that may be obtained therefor, and in and to said application.

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of all of which is hereby acknowledged, we, **HIDAYAT HUSAIN, HENRY BEHMANN, PIERRE LUCIEN COTE, IAN ALEXANDER POTTINGER** and **ELLA MURPHY**, by these presents confirm that we have sold, assigned and transferred and do hereby sell, assign and transfer unto the said **ZENON Environmental Inc.**, the full and exclusive right to the said invention in the United States of America and all other countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor, and the entire right, title and interest in and to said application, and in and to any divisions, continuations, continuations-in-part and extensions of said application, together with the right to claim the benefit of the right of priority provided by the International Convention for the

- 2 -

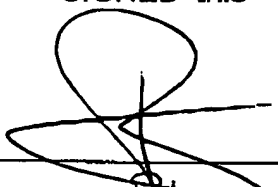
Protection of Industrial Property based on said application for United States Letter Patent.

We agree that we will without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for said invention and for additions and modifications thereto in any and all countries, and to vest title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said **ZENON Environmental Inc.**, the assignee of the entire right, title and interest in and to the same, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

The undersigned hereby grant(s) the firm of Bereskin & Parr (Box 401, 40 King Street West, Toronto, Ontario, Canada M5H 3Y2) the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

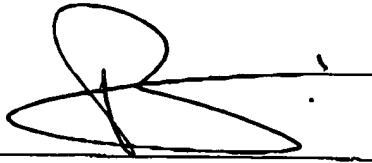
SIGNED this 9th day of February, 2004, at Oakville
ON, Canada


Witness Patricia Ruiz


HIDAYAT HUSAIN

- 3 -

SIGNED this 9th day of February, 2004, at Oakville
ON, Canada.



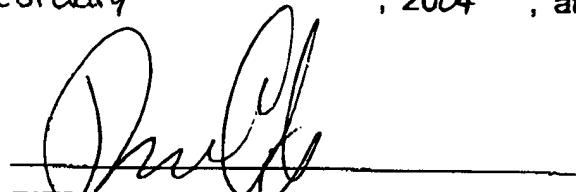
Witness Patricia Ruiz


HENRY BEHMANN

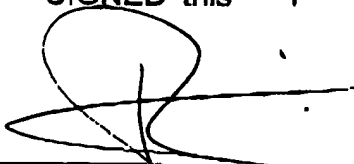
SIGNED this 9th day of February, 2004, at Oakville
ON, Canada.



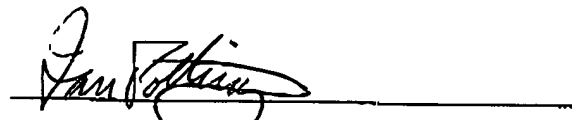
Witness Patricia Ruiz


PIERRE LUCIEN COTE

SIGNED this 9th day of February, 2004, at Oakville
ON, Canada.



Witness Patricia Ruiz


IAN ALEXANDER POTTINGER

SIGNED this 9th day of FEBRUARY, 2004, at Oakville
ON, Canada.



Witness Patricia Ruiz


ELLA MURPHY